

Claims

1. Device (100, 130) for displacing a switch blade (106, 142) between a position on a stock rail (14, 144) and a position at
5 a distance from the stock rail (14, 144), having:

a) a locking bearing (104, 134) which is coupled to the switch blade (106, 142) and connected to a locking catch (10) by means of an axle (4), and

10 b) a locking rod (18) that guides the locking catch (10) against a locking support coupled to the stock rail (14, 144), locks the locking catch (10) to the support and then unlocks the same and guides it away from said locking support (102, 132),

characterized in that

15 c) the locking support (102, 132) is positioned on the side (108, 152) of the stock rail (14, 144) opposed to the switch blade (106, 142), and is connected to a thrust bearing (110, 148) that is arranged on a fixed superstructure component (136, 140).

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2. Device (100, 130) according to Claim 1, characterized in that the fixed superstructure component (136, 140) is a component for supporting the switch blade (106, 142).

25 3. Device (100, 130) according to Claim 2, characterized in that the component for supporting the switch blade (106, 142) is a switch blade slide chair (140).

4. Device (100, 130) according to Claims 1 to 3, characterized
30 in that the fixed superstructure component (140) is arranged on a rising edge of a cross-tie member (136) having a U-shaped profile.

5. Device (100, 136) according to Claim 1, characterized in

that the fixed superstructure component is a flange (110, 148) attached to a cross-tie member (136).

6. Device (100, 136) according to Claims 1 to 5, characterized in that the locking support (102, 132) is tightly coupled in the foot area (28, 150) of the stock rail (14, 144).

7. Device (100, 130) for displacing a switch blade (106, 142) between a position on a stock rail (14, 144) and a position at a distance from the stock rail (14, 144), having:

a) a locking bearing (104, 134) which is coupled to the switch blade (106, 142) and connected to a locking catch (10) by means of an axle (4), and

b) a locking rod (18) that guides the locking catch (10) against a locking support coupled to the stock rail (14, 144), locks the locking catch (10) to the support and then unlocks the same and guides it away from said locking support (102, 132),

characterized in that the locking bearing (104, 134) is arranged on a component (118, 135) that at least partially follows the displacement and the displacement motion is transferred from the locking bearing (104, 134) to the switch blade (106, 142) by means of a displaceable push rod (120, 156).

8. Device (100, 130) according to Claim 7, characterized in that the push rod (156) is firmly connected to the switch blade (142) and held in the locking bearing (134) in such a way that it can move.

9. Device (100, 130) according to Claim 8, characterized in that the push rod (120) is held in the locking bearing (104) so that it is movable and the two switch blades (106) can be connected by means of a coupling rod.

10. Device (100, 130) according to Claims 7 to 9,
characterized in that the push rod (156) is held in the
locking bearing and prevented from moving by a defined
5 tractive power.

11. Device (100, 130) according to Claim 10, characterized in
that the tractive power is achieved by means of a spring-
loaded catch (160, 162, 164).

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12. Device (100, 130) according to Claims 7 to 11,
characterized in that the component (118, 135) is supported in
a rolling or sliding mode.

15 13. Device (100, 130) according to Claim 12, characterized in
that the support for the component (118, 135) is provided in
or on a guide element (121, 123, 137, 141).

14. Device (100, 136) according to Claim 13, characterized in
20 that the guide element (121, 123, 137, 141) is arranged on a
superstructure component (136, 140).

15. Device (100, 130) for displacing a switch blade (106, 142)
between a position on a stock rail (14, 144) and a position at
25 a distance from the stock rail (14, 144), having:

a) a locking bearing (104, 134) which is coupled to the
switch blade (106, 142) and connected to a locking catch
(10) by means of an axle (4), and

b) a locking rod (18) that guides the locking catch (10)
30 against a locking support (102, 132) coupled to the
stock rail (14, 144), locks the locking catch (10) to
the support and then unlocks the same and guides it away
from said locking support (102, 132),

characterized in that

c) the locking support (102, 132) is positioned on the side of the stock rail (14, 144) opposed to the switch blade (106, 142), and is connected to a thrust bearing (110, 148) that is arranged on a fixed superstructure component (136, 140); and

d) the locking bearing (104, 134) is arranged on a locking component (118, 135) that at least partially follows the displacement and the displacement motion is transferred from the locking bearing (104, 134) to the switch blade (106, 142) by means of a displaceable push rod (120, 156).